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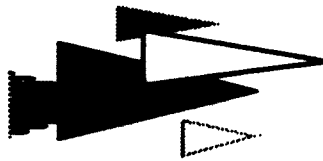
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THE BOEING COMPANY

NUMBER 4 D2-12996

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DEMONSTRATION AND DELIVERY PROGRAM, MAFB, VOL. II, DELIVERY

MODEL NO. WS 133A 15 CONTRACT NO. AF 04 6470-714

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1.0 INTRODUCTION

1.1 PURPOSE

✓ This document establishes the control procedures required to coordinate the Demonstration Plan presented in Volume I of this document and presents the plan and procedures for accomplishing the tasks associated with delivery of the Minuteman Weapon System Operational Sites to the Air Force. ✕

1.2 SCOPE

This volume confines itself to those portions of demonstration and delivery not covered in Volume I.

The procedures and documentation necessary to perform demonstration and delivery are explained and examples of the forms used for control are contained in attachments hereto.

Particular emphasis in this volume is placed on organizational interfaces during demonstration and delivery, and the forms and paperwork necessary to control or activate these interfaces.

1.3 PRECEDENCE OF REQUIREMENTS

In case of conflict between this document and other contractual documents, the Integrating Contractor's Contract Administration Unit will seek clarification from the Procuring Contracting Officer.

2.0 GENERAL

2.1 DEFINITIONS

2.1.1 Acceptance

The receipt and acknowledgement of delivery of a procurement item, (i.e., equipment, data, services, etc.), from the Contractor to the Air Force. This includes determination of compliance with configuration and demonstration requirements.

2.1.2 Assembly and Checkout (AA&CO)

The inspection, assembly, and testing by the Integrating Contractor of components and equipment essential to the missile system.

2.1.3 Construction

That period when contractor(s) under the direction of the Corps of Engineers, actually construct the facilities and install Real Property Installed Equipment (RPIE).

2.1.4 Demonstrations

The performance of a task(s) for the purpose of substantiating that the equipment and related technical publications meet functional and contractual requirements and have been properly installed.

2.1.5 Nonconformance (NC)

A condition whereby the equipment, services, data or documentation



2.1.5 Nonconformance (NC) (Continued)

are not in compliance with the contract.

Subsequent to the establishment of a nonconformance item, the Air Force Procuring Contract Officer may elect to:

- A. Establish a "deviation" which is the intentional relinquishing of a contractual requirement by the Procuring Contract Agency.
- B. Grant a "waiver" which is the intentional relinquishing of a contractual requirement by the Procuring Agency at the time of Air Force acceptance and the rendering of the DD Form 250. Waivers must be cleared by the contractor at a specified later date since these are allowed in the interest of expediting turnover for operational considerations.
- C. Insist that the nonconformant condition be corrected prior to delivery of the increment.

2.1.6 End Item

An end item is any product or service which the Contractor agrees, under the terms of the Contract, to deliver to the customer. An end item may be a complete system, a Figure A, a part, a missile, a wing, a specific quantity of spares, a technical publication, a report or set of reports, drawings, data or items called for by an open end contract or miscellaneous purchase order.

2.1.7 Engineering Change Proposal (ECP)

The medium used by the Contractor to propose and record Class I changes.

2.1.8 Increment of Acceptance

An Increment of Acceptance will consist of any of the following:

2.1.8.1 A flight consisting of a Launch Control Facility (LCF) with its ten (10) related Launch Facilities (LF) including missiles less re-entry vehicles.

2.1.8.2 The connections required to interconnect two or more flights.

2.1.8.3 The Boeing portion of the communication link (EWO) will be delivered at wing delivery.

2.1.8.4 The Strategic Missile Support Base (SMSB).

2.1.9 Sub-Increment of Acceptance

That portion of an Increment of Acceptance which is so constructed or located as to allow sealing and control of access to the area or item by Air Force Quality Control.

2.1.10 Objective Evidence

That information which indicates the extent of conformance of services and weapon system increments or sub-increments to specification and drawing requirements.

2.1.11 Procuring Authority

The Headquarters, BSD, Procuring Contracting Officer (PCO).

2.1.12 Progressive Inspection and Validation

Inspection of equipment and checkout of all elements of the Weapon System accomplished on a progressive basis prior to formal demonstration.

2.1.13 Real Property Installed Equipment (RPIE)

A fixed installed missile support sub-system or item of equipment which meets both of the following criteria:

- A. It is a common standard commercial type item, or is predominantly composed of such items.
- B. Based on Engineering estimates and previous experience, it is reasonably expected that AFLC centralized configuration accounting and control will not be required.

2.1.14 Site (sometimes referred to as a deployment area)

A missile site is defined as all Launch, Launch Control and Supporting Facilities associated with one or more strategic missile squadrons located within a limited geographical area.

2.1.15 Site Activation

Site activation begins upon receipt of USAF authority to proceed with construction, and is the process required to

2.1.15 Site Activation (Continued)

bring a missile site to a condition suitable for turnover, including construction, delivery and installation of all Aero-Space ground equipment and missiles, assembly and checkout, final acceptance of the Weapon System and turnover to the using command.

2.1.16 Site Activation Task Force (SATAF) Commander

The senior USAF Officer placed in charge of a site and assigned the responsibility for successful activation of the site; continuing review of Contractor's progress; negotiation of joint and beneficial occupancy and base support agreements; provision of common administrative services to USAF detachments at the site; and operational control of all elements of the site activation task force.

2.1.17 Technical Approval

The certification by the Technical Approval Team of system performance and adequacy in accordance with applicable Weapon System Specifications.

2.1.18 Technical Approval Demonstrations (TAD)

Demonstrations conducted by the Integrating Contractor as a basis for TAT certification. Technical approval demonstrations are categorized into three (3) classes as follows:

2.1.18

Technical Approval Demonstration (TAD) (Continued)

- Class I Formal demonstration of maintenance equipment utilizing validated and verified technical data and conducted once for each wing on selected items on MGE prior to the turnover of the SMSB and prior to the turnover of the first flight as appropriate. The purpose of these demonstrations will be to establish the adequacy of delivered test and handling equipment and technical data.
- Class II Formal demonstrations conducted just prior to acceptance of each deliverable increment (flight or squadron) of the Weapon System, using validated and verified technical data where applicable. The purpose of these demonstrations will be to establish, in conjunction with Class III demonstrations, the operational condition of the element being delivered.
- Class III Semi-formal demonstrations conducted during the A&CO of the LF and LCF. The tests witnessed during these demonstrations will be those normally conducted by the A&CO Contractor as part of the A&CO task. Member(s) of the TAT will be provided an opportunity to witness such tests on each facility which are not feasible to duplicate after complete tie-in of the facility. The TAT will be notified no later than one working day prior to the demonstration to be

2.1.18 Technical Approval Demonstrations (TAD) (Continued)

witnessed. No Contractor effort will be delayed or repeated due to the absence of witnessing TAT personnel once prior notification has been accomplished.

2.1.19 Technical Approval Team (TAT)

An Air Force team, chaired by the SATAF Commander responsible for witnessing the Contractor's demonstration of each Weapon System increment.

2.1.20 Technical Data Validation

The process by which technical data is checked against equipment to confirm accuracy and sufficiency. Validation will be accomplished by the Contractor.

2.1.21 Technical Data Verification

An official AFSC action whereby technical data is accepted after validation as an Air Force technical publication.

2.1.22 Turnover

The actual transfer of the custodial responsibility for an increment from AFSC to the using command (SAC).

2.1.23 Weapon System

An instrument of combat, such as an air vehicle, together with all related equipment, both airborne and ground based, the

2.1.23

Weapon System (Continued)

skills necessary to operate the equipment and the supporting facilities and services required to enable the instrument of combat to be a single unit of striking power in its operational environment.

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3.0 TECHNICAL APPROVAL TEAM (TAT)

3.1 GENERAL RESPONSIBILITIES

The Technical Approval Team is responsible for examining documentation and witnessing demonstrations of each Weapon System increment to verify that the requirements of applicable Weapon System specifications have been met. Specific responsibilities are identified in subsequent paragraphs of this document.

3.2 COMPOSITION

In addition to the Chairman (who is the SATAF Commander), the TAT consists of the following members: SAC Missile Wing Commander, and SATAF Deputies for: Engineering, Contract Administration, Logistics, and Communications. The TAT Chairman determines the appropriate team composition for witnessing specific demonstrations or activities. Due to the expansive geographical deployment area and the rate of force build-up, the formal TAT may be supplemented by subordinate TAT's as directed by the SATAF Commander.

3.3 PROCEDURES

The Integrating Contractor Delivery Team Chairman will coordinate the procedures outlined in this document with the local SATAF Commander.

3.4 APPLICABLE REFERENCES

The paragraphs contained in 1.6 of AFSD Exhibit 61-32 outline

3.4


APPLICABLE REFERENCES (Continued)

references only.

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4.0

DELIVERY AND DEMONSTRATION TEAM

The Delivery and Demonstration Team appointed by Boeing and chaired by Contract Administration, will have, as a minimum, representatives from Quality Control, Finance, Engineering, Customer Service, and Base Installations (Program Control, Production Engineering, Electronic Test and Maintenance, Squadron Assembly and Checkout). This team will organize not less than sixty (60) days prior to the first incremental delivery date and remain in existence until the delivery of the last increment of the Wing.

The team will immediately establish schedules as depicted in Figure 1 for the necessary meetings and briefing sessions to compile, prepare and/or review the required letters, forms, contract documents, technical manuals, records and inventories for presentation at the Delivery Conference.

4.1

DELIVERY AND DEMONSTRATION TEAM COMMITTEES

The Delivery and Demonstration Team will appoint committees for demonstration and inventories.

4.2

RESPONSIBILITIES OF DELIVERY AND DEMONSTRATION TEAM CHAIRMAN

It will be the responsibility of the Delivery and Demonstration Team Chairman to assure himself through coordination and general Team meetings that the committees are functioning as specified in subsequent sections of this volume.

DEMONSTRATION & DELIVERY TEAM FORMATION & FUNCTIONS

BASE

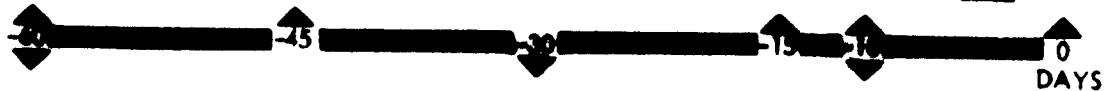
ESTABLISH
DEL. TEAM
C/A CS
QC ET & M
PC SA&C/O
PE
FIN
ENG

DD-250
INCREMENT
DELIVERY

SUBMIT TO C, A
PRELIMINARY
N/C LETTER
ACCOMPLISHMENTS
& SHORTAGES

BASE
TEAM REVIEW
30 DAY
INPUTS &
SUPPLY INFO
CHANGES
TO C A FOR
10 DAY TWX

CONTRACT
ADMIN.
PREPARE
DD-250
& SUBMIT TO
BOEING OC



ESTABLISH
CRITERIA FOR
BASE TEAM

CONTRACT
ADMINISTRATION
SUBMIT 30 DAY
LETTER TO AF

CONTRACT
ADMINISTRATION
SUBMIT TWX TO A
TO AIR FORCE

SEATTLE SUPPORT

FIGURE 1

4.3

DELIVERY AND DEMONSTRATION TEAM 45 DAY MEETING

A Delivery and Demonstration Team Meeting will be held forty-five (45) days prior to each increment delivery date for the purpose of submitting to Contract Administration preliminary information on nonconformance items and shortages which will exist at the time of increment delivery.

4.4

DELIVERY AND DEMONSTRATION TEAM 30 DAY MEETING

This is a formal delivery briefing for SATAP, TAT, BBD, COAMA and SAC for status of final delivery/turnover. The briefing will include:

- A. Formal review by Boeing on all outstanding activities remaining to be performed.
- B. A review of the nonconformance document D2-13001.
- C. A report by TAT of TAT nonconformance report.
- D. A review of plans and schedules for clearance of nonconformance items.
- E. A report by the Inventory Committee of the Delivery and Demonstration Team covering status of inventories.

At the conclusion of the Delivery and Demonstration Team 30 day meeting, Contract Administration will obtain approval of all agencies, outlined above, to deliver the increment with the presented NC's and shortages outstanding. Said approvals will

4.4

DELIVERY AND DEMONSTRATION TEAM 30 DAY MEETING (Continued)

be transmitted to AFPCO with the request for delivery CGN authorization.

Contract Administration will prepare DD 250 forms for submittal to Boeing Quality Control.

4.5

DELIVERY CONFERENCE CONDUCTED 3 DAYS PRIOR TO DELIVERY DAY

The Delivery Conference conducted by Delivery and Demonstration Team chairman, attended by SATAF, TAT, BSD, OOAMA and SAC, will use the following agenda:

- A. Boeing formally presents delivery documentation and data and Statement of Completion.
- B. Air Force Systems Command presents contractual authority to accept.
- C. TAT submits Statement of Approval.
- D. Delivery of Increment by DD 250 sign-off which will include:
 - 1. Inventories
 - 2. DD 1149 - Transfer of Facilities from Boeing accounts to Air Force accounts.

5.0 DELIVERY DOCUMENTATION, DATA, DRAWINGS AND PAPERS

5.1 The Statement of Completion prepared by the chairman of the Delivery Demonstration Team for formal presentation to SATAP at Delivery Conference to signify the Increment is complete.

5.2 The Statement of Technical Approval prepared by TAT for presentation at Delivery Conference to signify approval of activities leading to a complete Increment.

5.3 The Department of Defense Form DD 250 (see Attachment #3) completed and signed is evidence of acceptance by the Air Force from Boeing of the Increment.

The completed DD 250 will include the following:

- A. Specific provisions of the contract for A&CO activities and site activation tasks required for acceptance of the increment.
- B. Items of equipment not previously accepted by the Government during sub-increment and/or demonstration activities.
- C. Statement identifying Boeing Nonconformance Documents, which outlines nonconformance with contractual requirements existing at the time of the Delivery Conference.
- D. Statement of contractual authorization by AFSC to permit acceptance with open nonconformance items before delivery takes place.

5.3

(Continued)

One other Air Force form will be processed concurrently with the DD 250. This is the DD 1149 which is necessary to transfer Facilities from Boeing accounts to Air Force accounts.

Inventories of the Increment will be submitted concurrently with the DD 250 and would cover applicable Aero-Space Ground Equipment (AGE) and the missile.

5.4

DELIVERY PACKAGE

The Nonconformance Document submitted by the Delivery and Demonstration Team will become a part of the "Delivery Package" and will be designated as follows: D2-13001, "Nonconformance Records - Contract Equipment Delivery - Base Assembly & Checkout." Also included in the Delivery Package will be contractual documents, Historical Records, and Indentured parts list in accordance with DCAS 61-87 and AFBSD Exhibit 61-11.

6.0

NONCONFORMANCE TO CONTRACT REQUIREMENTS

The Boeing Company as Assembly and Checkout Contractor plans to deliver on schedule end items that are complete and in conformance with contract requirements. However, it may be more advantageous both to Boeing and the Air Force to deliver end items with nonconformance conditions, acceptance of which may be subject to later correction. In each such instance, Contract Administration Department must obtain PCO approval.

Base Installations - Minuteman organizations will provide notification to Engineering as specified herein (see Attachments 1 and 2) of nonconformance conditions expected to be in existence at the time of delivery for operational end items. Engineering will maintain contractual documentation of the status of nonconformance end items from information supplied by Manufacturing, Materiel, Base Installations - Minuteman (BI-MM), and will initiate corrective measures if applicable. Contract Administration will maintain contractual documentation of the status of shortages from information supplied by base organizations. The Change Board is the coordinating agency for processing Engineering Change Proposals, (ECP's) necessary to correct nonconformance items. BI-MM is responsible for coordinating Company action necessary to resolve shortage conditions.

6.1

NONCONFORMANCE OR SHORTAGE ITEM

Any end item that does not satisfy contract requirements is

6.1

NONCONFORMANCE OR SHORTAGE ITEM (Continued)

labeled a nonconformance item or shortage classified as follows:

- A. Contractor nonconformance item (NC). A contractor nonconformance exists when a Contractor cannot fulfill an A & CO contract requirement.
- B. Government nonconformance items (GNC): an end item or component, the design of which is the responsibility of the Government or the Government's suppliers, which fails to meet Boeing or Government contract requirement.
- C. Questionable items (Q): a condition upon which an agreement has not been established between Boeing and the AF PCO as to whether it is or is not in conformance with applicable contract requirements. Resolution of such items shall result in the items being deleted or revised to become a numbered NC or a numbered GNC item depending upon the result of negotiation with the Government.
- D. Government shortage item (GS): a component of Government Furnished Equipment (GFE) which is not available at the time of delivery.

6.2

CORRECTION OF NONCONFORMANCE ITEMS

Corrective action on Nonconformance items will be accomplished by approved Engineering Change Proposals (ECP's), Contract Change Notices (CCN's), negotiation, contract credit, and/or

6.2 CORRECTION OF NONCONFORMANCE ITEMS (Continued)

DD 250 as described in applicable Aero-Space Division Operating Procedures.

6.3 DOCUMENTATION OF NONCONFORMANCE ITEMS

All A & CO nonconformance items will be documented in D2-13001, Nonconformance Records, Contract Equipment Deliveries - Base Assembly and Checkout. Each nonconformance item will be serially numbered and identified by contract number and model, specification, drawing and/or part number (See Attachment #6). NC, OMC, and Q pages will be prepared by the Contractor and will contain the following:

- A. A statement of applicable contract requirements.
- B. A description of actual conditions and reason for condition.
- C. A brief outline of proposed corrective action including ECP action when applicable.
- D. A recommended completion date for corrective action.
- E. A statement of the effectivity.

7.0

DATA REQUIREMENTS

Prior to USAF acceptance of an Increment, Boeing will make available current historical data in compliance with AFESD Exhibit 61-32.

Maintenance Records, Calibration Status, Preliminary Nonconformance and AFQC Discrepancies will be accumulated and then reviewed by EQC-AFQC on a progressive basis.

The Assembly and Checkout documents, manuals and AFTO historical records used by Boeing during all phases of assembly and checkout will be maintained in a central location. This material will be made available to AFQC and the TAF as required.

7.1

INTEGRATED RECORDS SYSTEM

Boeing will schedule, sequence and record all assembly and checkout activities by the use of the Integrated Records System (IRS). The IRS Forms are collected by Boeing Q.C. and are retained by Boeing in accordance with contractual requirements.

Boeing will prepare and maintain maintenance historical records (AFTO Forms) as required per AFESD Exhibit 61-32 and DCAS 61-87. During A & CO activities, AFTO Forms 207, 208, 209, and 2 E will be maintained manually in the Quality Control Records Area.

Configuration Identification Records (CIR's) will be maintained by the Reliability and Configuration Accountability System.

During A & CO, AFTO Forms 211 and 212 will be prepared and

7.1 **INTEGRATED RECORDS SYSTEM (Continued)**

distributed in accordance with DCAS 61-87 and AFPSD Exhibit 61-32. The AFTO Forms will be retained and maintained by Boeing until delivery of the increment, at which time distribution will be accomplished in accordance with DCAS 61-87 and AFPSD Exhibit 61-32.

Air Force Q.C. will review these A & CO records as necessary to assure Boeing compliance with the contract. These records are to be made available for TAT review. If any deficiencies are discovered, the SATAP representatives will instruct Boeing on any remedial action to be taken.

7.2 **INDENTURED PARTS LIST**

Boeing shall maintain a Configuration Identification Parts List for each End Item down through the interchangeable/repairable level in accordance with the requirements of AFPSD Exhibit 61-11. The Recon System will maintain information for the Indentured Parts List. The list will be verified by AFQC and submitted to TAT thirty (30) days prior to the scheduled delivery of the Increment.

7.3 **AIR FORCE QUALITY CONTROL DISCREPANCY REPORT**

Boeing Quality Control shall maintain records on all open AFQC discrepancies, progressively through to the completion of A & CO activities for an Increment. A summary report on open AFQC discrepancies shall be prepared on the Increment and submitted

7.3

AIR FORCE QUALITY CONTROL DISCREPANCY REPORT (Continued)

to the TAT for approval. This report will be reviewed with SATAF a minimum of 35 days prior to scheduled acceptance, to enable Boeing to schedule remedial action to be taken or to enable the referral of controversial items to the Procuring Authority (BSD) for action through established N. C. Channels.

7.4

"AS-BUILT" DRAWINGS

Thirty (30) days prior to delivery, Boeing will schedule and conduct a review with SATAF/SAC or TAT on the availability of "as-built" drawings. Such drawings shall reflect modifications approved by the CCB during A & CO. If any discrepancies are noted, the TAT will initiate corrective action with the responsible agency..

7.5

CALIBRATION STATUS

Boeing Base Quality Control will maintain a continuing review to insure that the latest Certification/Calibration status is reflected on machine records for all pertinent equipment in the Increment.

Ten (10) days prior to scheduled delivery, BQC will prepare a Calibration Status Report (see Attachment # 4). The report will consist of (1) a list of equipment which has calibration requirements, (2) the dates the last calibration was completed, and (3) the date re-calibration is required. This report shall be reviewed by APQC and presented for review and approval to

7.5 CALIBRATION STATUS (Continued)

the TAT 5 days prior to delivery. The purpose of the review is to assure SATAF/SAC that all equipment will have a minimum of 50% of calibration time remaining at the time of turnover.

7.6 TECHNICAL DATA

Thirty (30) days prior to delivery, Boeing will schedule and conduct a review of the availability of all technical data (Operating and Organisational Technical Manuals, Technical Orders, Inspection Manuals and Check Lists pertinent to the Increment) to be presented to SATAF/SAC (see Attachment #8). Boeing Customer Service shall prepare a list of all data to include the status of each item, i.e. validated and verified, preliminary release, interim data, etc. This requirement is to assure SATAF that the using command will have the technical data needed to maintain and operate the Weapon System at the time of turnover.

7.7 AFW SPARES

Thirty (30) days prior to delivery, SATAF will conduct a review of the availability and adequacy of configuration of spares in the AFW account. This review will cover the AGE and/or RPIE for which Boeing holds custodial responsibility until time of turnover. To accomplish this review, SATAF will submit an inventory of the spares requiring configuration verification. Boeing shall determine that the spares in the AFW account are

7.7 **AFW SPARES (Continued)**

compatible with the Weapon System configuration and report the results to SATAF.

7.8 **WEAPON SYSTEM LOCATION REPORT**

Boeing shall maintain information on the location of all Figure A or equivalent end items for each Sub-Increment and progressively through for each Increment.

Fifteen (15) days prior to the acceptance of an Increment, a Weapon System Location Report by functional activity within the Increment and by Figure A number, will be submitted for SATAF/SAC review. The format of this report shall be as outlined in AFESD Exhibit 61-83, Accounting by Location.

8.0

INVENTORY TEAM

An Inventory Team shall be formed a minimum of 60 days prior to scheduled acceptance and delivery of an Increment. The Boeing chairman and other members, i.e., Quality Control, Production Engineering, shall be assigned by the Demonstration and Delivery Team. The required SATAF/SAC membership in the inventory team will be requested through the TAT chairman. The Inventory Team will review and approve the data associated with inventory, correlate the "as installed" inventory to the contractual requirements, accomplish the physical inventory, and progressively present the inventory status to the Demonstration and Delivery Team and the TAT as delineated in Figure 2 flow chart.

8.1

INVENTORY REQUIREMENTS

During A & CO activities, Boeing shall maintain a progressive inventory of the equipment within the Increment. Verification of the inventory shall be contingent upon completion of the activities listed below:

8.2

REAL PROPERTY, REAL PROPERTY INSTALLED EQUIPMENT AND CORPS OF ENGINEERS INSTALLED AGE INVENTORY

Custodial responsibility for the Real Property (RP), Real Property Installed Equipment (RP/IE) and Corps of Engineers Installed AGE will be transferred from the SATAF Interim Accountable Officer to Boeing by DD Form 1149 with inventory attachment. The inventory attachment to DD 1149 will be maintained progressively by Boeing to reflect any work accomplished



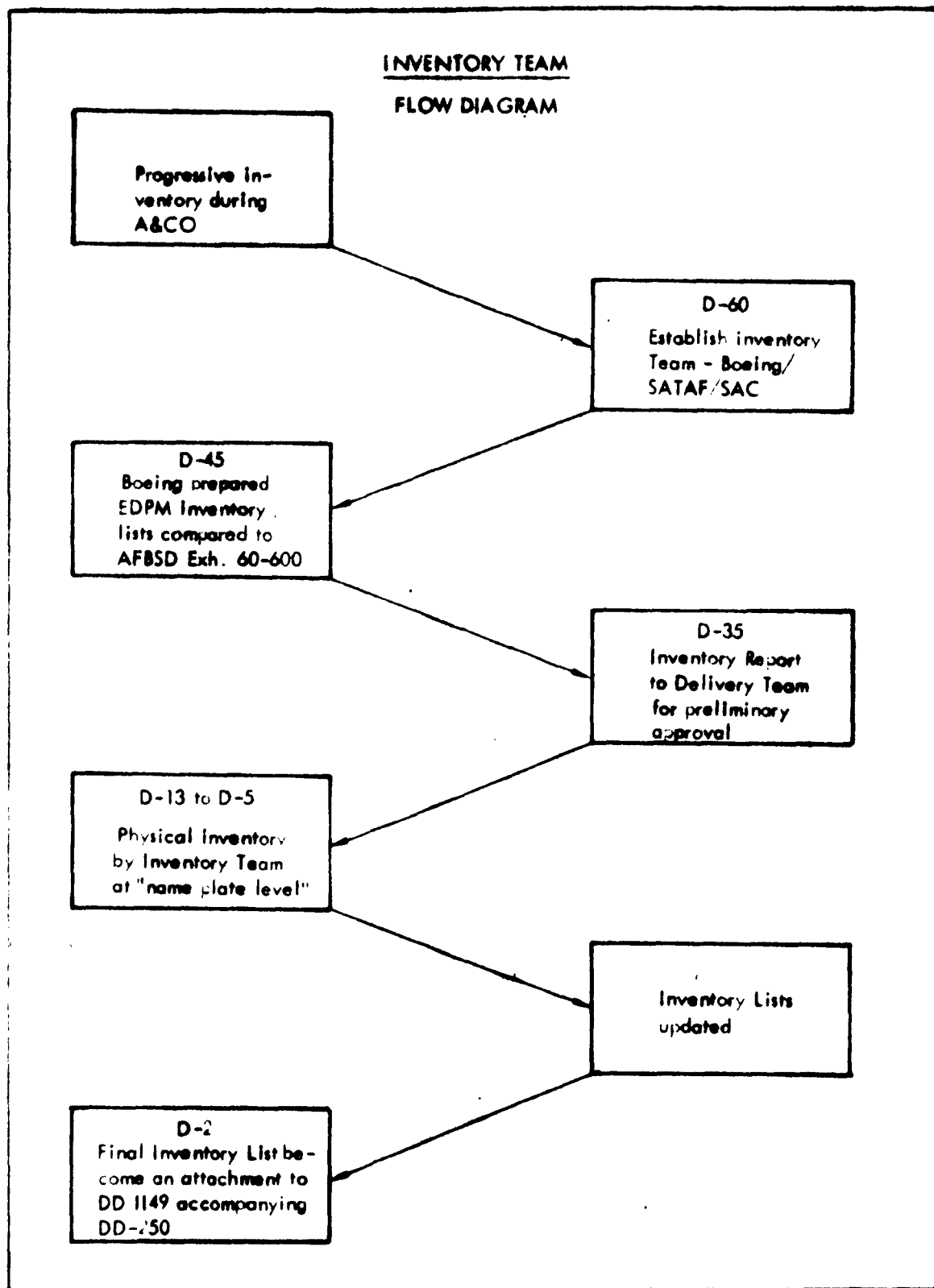


FIGURE 2

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8.2 REAL PROPERTY, REAL PROPERTY INSTALLED EQUIPMENT AND CORPS OF
ENGINEERS INSTALLED AGE INVENTORY (Continued)

during A & CO, such as the Miscellaneous Proposals (MP's) which have been processed and completed. The inventory team shall review and approve Form DD 1149 and attachments and submit it to the Demonstration and Delivery Team and the TAT at the Delivery Briefing.

8.3 BOEING INSTALLED AGE INVENTORY

Upon installation of the AGE, Boeing will initiate Electronic Data Processing Machine (EDPM) Records defining the equipment configuration and location. EDPM Records will be maintained throughout the A & CO activities by use of the Reliability and Configuration Accountability (Recon) System.

Forty-five (45) days prior to the scheduled acceptance of an Increment, the EDPM listing of configuration and location will be compared with the latest revision of AFESD Exhibit 60-60 as supplemented by the latest CCB changes. Any configuration differences will be evaluated as possible nonconforming conditions.

Thirty-five (35) days prior to scheduled delivery, the EDPM Inventory Lists will be presented to TAT for preliminary approval. During the 55 day period before delivery, the Inventory Lists should be progressively updated by Boeing to reflect changes. On the Incremental Delivery Day, the Inventory Team shall present the updated Inventory Lists to the TAT.

8.3

BOEING INSTALLED AGE INVENTORY (Continued)

Commencing 5 days prior to scheduled Delivery of an Increment, the Inventory Team shall conduct a physical inventory of the equipment in the Increment. This inventory shall compare the configuration of the installed equipment with the EDPM Inventory List at the level called out in AFBSD Exhibit 60-60. This physical inventory is not a complete inspection to verify configuration, but is conducted at the "name plate" level to assure that the equipment is identified as that called out by the EDPM Inventory List. Detailed physical inventory activities of the Inventory Team will be scheduled through the Boeing Delivery Team chairman who will provide the necessary coordination.

The approved inventory lists will become an attachment to the DD 1149 which will accompany the Form DD 250 evidencing acceptance of the Increment, and will define the equipment which is being transferred to the Air Force inventory at the time of delivery.

9.0 DEMONSTRATION COMMITTEE

The Demonstration Committee will be formed sixty (60) days prior to the delivery of the first Increment as delineated in Figure 3 flow diagram and will remain in existence until delivery of the last Increment of the Wing.

9.1 SUPPORT OF OTHER COMMITTEES

The Demonstration Committee will be supported by all pertinent Boeing organizations in its preparation for the 45 day and 30 day meetings. In particular, the Inventory Committee will support the Demonstration Committee prior to the briefing of SATAP, TAT and SAC which occurs 5 days prior to Class I or II Demonstrations.

9.2 DEMONSTRATION SCHEDULES

It will be the responsibility of the Demonstration Committee to see that schedules for demonstrations are made available to SATAP and TAT. The Committee will see that notification is given to TAT ten (10) days (see Attachment # 5) and twenty-four (24) hours (see Attachment # 7) prior to any demonstration in order for TAT to assign personnel to witness the demonstration. In addition, the Demonstration Committee will have the responsibility for notifying TAT of the scheduled briefing five (5) days prior to Class I and Class II demonstrations.

9.3 WEAPON SYSTEM

It will be the responsibility of the Assembly and Test Unit and/or

DEMONSTRATION COMMITTEE

FLOW DIAGRAM

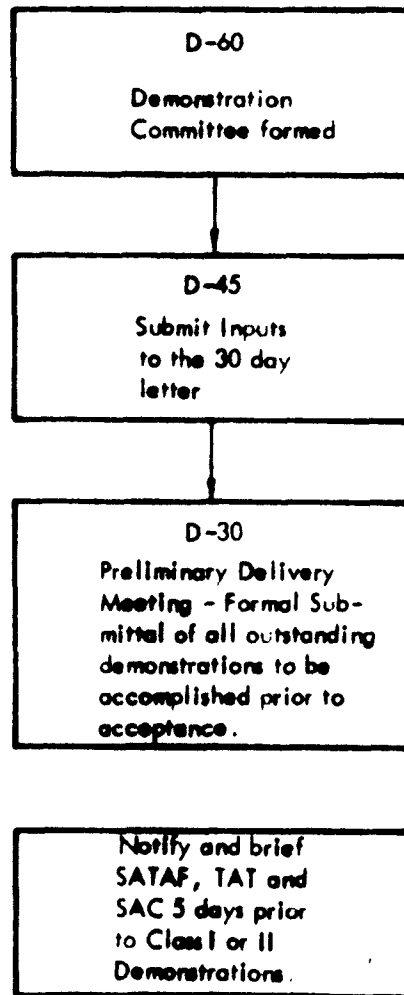


FIGURE 3

9.3 WEAPON SYSTEM (Continued)

the Electronic Test and Maintenance Unit to conduct the demonstration. The Demonstration Committee will establish the following conditions prior to demonstration:

- A. That the equipment to be demonstrated is capable of completing demonstration activities and that a list of all A & CO discrepancies of the equipment is available to TAT and AFQC.
- B. That all mandatory ECP's and MP's have been incorporated into the equipment and facilities.
- C. That those T.O.'s required for the demonstration are available and have been validated and verified.

Any discrepancies involving the above conditions will be noted and brought to the attention of TAT and AFQC prior to the demonstration.

9.4 DEMONSTRATION NONCONFORMANCE

It will be the responsibility of the Demonstration Committee to report any nonconforming conditions occurring during demonstration to the Chairman of the Demonstration and Delivery Team and to Engineering for possible inclusion in D2-13001.

9.5 COMPLETION OF DEMONSTRATION

At the completion of the successful demonstration, the demonstration team will direct Boeing Quality Control to seal the equipment

9.5

COMPLETION OF DEMONSTRATION (Continued)

or area in which the equipment is located until delivery of the equipment to the Air Force.

In the event work must be performed on the equipment after demonstration, the Committee will notify APQC of the work to be performed and assure their presence during this work. The area will then be resealed.

REVISED _____

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INDEX OF ATTACHMENTS

Number

1. Nonconformance to -714 Contract
2. Government Nonconformance to -580 Contract
3. Contract Administration Requirement (DD 250)
4. MINUTEMAN Program, Contract AF O4(647)-714 Calibration
Schedule for DAGE
5. MINUTEMAN Program, Contract AF O4(647)-714 Scheduled Demonstration
6. Nonconformance Document
7. MINUTEMAN Program, Contract AF O4(647)-714 Twenty-four Hour
Notice of Demonstration
8. An Objective Evidence Check List for Weapon System Delivery

To: Earl Childs MAFB
cc: R. Peden MAFB
Subject: Nonconformance to -714 Contract

EXP 33 has not been accomplished on the Missile Suspension System at Site A-4.

This memo is to serve as notification that this item must be listed in the Nonconformance Document as a deficiency.

F. E. Whittemore
Superintendent
Quality Control
Malmstrom AFB

This is a requirement thirty days prior to demonstration.

ATTACHMENT 1

To: Earl Childs MAFB
cc: R. Peden MAFB
Subject: Government Nonconformance to -580

Pressure Testing on the Surge Arrestors, Fig. "A" 1373 has not been accomplished in accordance with the requirements set forth in the -580 Contract.

This memo is to serve as notification that this item must be listed in the Nonconformance Document as a deficiency.

F. E. Whittemore
Superintendent
Quality Control
Malstrom AFB

This is a requirement thirty days prior to demonstration.

CONTRACT ADMINISTRATION REQUIREMENT

This unit is required to provide a preliminary DD 250
to Quality Control thirty days prior to demonstration.

THE BOEING COMPANY
AEROSPACE DIVISION
GREAT FALLS, MONTANA

March 21, 1962

2-7014-323

To: SATAF (BSS-18)-E
Malmstrom AFB
Montana

Through: CSD #18 (RWHO18A)

Subject: MINUTEMAN Program, Contract AF O4(647)-714
Calibration Schedule for DAGE

Reference: BSD Exhibit 61-32, dated February 23, 1962,
Subject: "Proposed Exhibit Requirements for
Demonstration and Technical Approval, Inventory
Acceptance and Turnover of WS 133A Operational
Sites (Hardened and Dispersed)"

1. In accordance with paragraph 4.4.7 of the above referenced Document, five copies of the Calibration Schedule for DAGE MCE are hereby submitted.

THE BOEING COMPANY
Malmstrom Air Force Base

C. L. Popejoy
Base Manager

This Calibration Schedule is provided fifteen days prior to demonstration.

March 21, 1962

CALIBRATION SCHEDULE FOR DAGE

MGE (MOCK-UP ONLY)

<u>Figure "A"</u>	<u>Nomenclature</u>	<u>Serial #</u>	<u>Tested</u>	<u>Due</u>
642	Optical Alignment Group		3-26-62	5-10-62
695	Tester, Portable, G&C Coupler		3-23-62	5-23-62
3013	Test Set, Command Control Console		3-13-62	5-13-62
3092	Test Set, S&N Portable		3-20-62	5-20-62
3109	Test Set, Alarm Set, R.F.		3-22-62	5-22-62
3113	Test Set, Decoder, S&N		3-15-62	5-15-62
4012	Test Set, SCN Portable		3-7-62	6-7-62
4388	Test Set, S&N/HVC, Portable		3-9-62	5-9-62
4487	Simulator, Mechanical Decoder		3-12-62	5-12-62
4489	SCN Test Message Generator		3-14-62	5-14-62
4490	Simulator Kit, Electronic, Missile		3-16-62	5-16-62
4491	Start-Up Unit, LF		3-19-62	5-19-62

**THE BOEING COMPANY
AERO-SPACE DIVISION
GREAT FALLS, MONTANA**

MARCH 26, 1962

2-7014-322

**To: SATAF (BSS-18)-E
Malmstrom AFB
Montana**

Through: CSD #18 (RWE018A)

**Subject: MINUTEMAN Program, Contract AF 04(647)-714
Scheduled Demonstration**

**Reference: BSD Exhibit 61-32, dated February 23, 1962,
Subject: "Proposed Exhibit Requirements for
Demonstration and Technical Approval, Inventory
Acceptance and Turnover of WS 133A Operational
Sites (Hardened and Dispersed)"**

1. This is to advise you that the Launch Facility End-to-End Tests, as outlined in paragraph 2.6.3.1 of the above mentioned Document, will be demonstrated at Site A-4 on April 4, 1962 at 0800 hours.

**THE BOEING COMPANY
Malmstrom Air Force Base**

**C. L. Popejoy
Base Manager**

This notification of demonstration is a requirement per 61-32 ten days prior to demonstration.

ATTACHMENT 5

MINUTEMAN NONCONFORMANCE ITEM

Contract Number:

AF 04(647)-714

Nonconformance Number:

DAOE NC-1

Group:

2-7016 Design Engr. Liaison (MAFB)

Item:

Squadron 1, Flight "A"
Site A-4(MAFB)

Specification:

ECP-23R1

Paragraph:

1 & 2, Page 1

Requirement:

See Supplemental Page NC-1a

Nonconformance to Requirement:

Brackets have not been drilled at A-4

Reason for Nonconformance:

New drill template not received. Original template was damaged at Site A-5.
The balance of the Flight can be delivered as required per contract.

Action:

See Supplemental Page NC-1a

Proposed Effectivity:

Flight A (Site 4 only) Squadron 1

Approved Effectivity:

Reference and Approval:

SAMPLE FORMAT

ATTACHMENT 6,
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MINUTEMAN NONCONFORMANCE ITEM

Supplement to Page:

NC-1a

REQUIREMENT: The 25-18727-6 parts installed by the C of E contractor must be reworked to the 25-18727-11 configuration. (Drilling operation on all of the Lower Support Brackets of the Missile Suspension System, 25-18727-6.

ACTION:

1. Template schedule to be on base April 16, 1962.
2. Drilling operation will be completed on April 20, 1962.
3. Administrative authority is requested to deliver Flight "A" with the above nonconformance.

SAMPLE FORMAT

ATTACHMENT 6,
PAGE 2 of 4

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MINUTEMAN NONCONFORMANCE ITEM

Contract Number: AF 04(647)-714

Government
Nonconformance Number:

DAGE GNC-1

Group: 2-7016 Design Engr. Liaison

Item: Flight "A" Squadron 1

Specification: AFM 61-32

Paragraph: 4.2 Page 27

Requirement: The intersite control and communications system will be accepted upon completion of the cable termination and checkout phase. Pressure shall be maintained, etc.

Nonconformance to Requirement

Cable system will not retain pressure required and tests cannot be made to verify correct installation and adjustment.

Reason for Nonconformance:

See Supplemental Page GNC-1a.

Action:

See Supplemental Page GNC-1a

Proposed Effectivity: Flight "A" Squadron 1

Approved Effectivity:

Reference and Approval

SAMPLE FORMAT

ATTACHMENT 6,
PAGE 3 of 4

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MINUTEMAN NONCONFORMANCE ITEM

Supplement to Page: ONC-1a

REASON FOR NONCONFORMANCE: The cable system does not meet the pressurization requirements. An extensive investigation is necessary to determine the source of the trouble and to establish the fix.

This cable system can operate without difficulty for 90 days without attention. An additional 90 days could be obtained by flowing dry nitrogen through the lines (see action). Some interference with the operation of the flight will be incurred during the accomplishment of the action items below.

- ACTION:
1. Work has begun to locate the difficulty. This program under ECP xx will be completed on July 6, 1962.
 2. Work to install the fix as established above will start on July 23, 1962 and will be completed by August 31, 1962.
 3. Administrative authority is requested to deliver this end item with the above nonconformance.

SAMPLE FORMAT

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AN OBJECTIVE EVIDENCE CHECK LIST FOR WEAPON SYSTEM DELIVERY

1. A list of all Waivers put into Waiver Document and submitted to B.S.D. forty-five days prior to turnover.
2. All up-dated APTO Forms:
 - A. 207, 208, 209 and 2E, etc.
 - B. Configuration Identification Record (CIR)
3. (1) Configuration Identification Parts List for each End Item, down through one Indenture above lowest remove and replace level per 61-11.
4. Have available as objective evidence all Assembly and Checkout M&IR's and all Operation and Maintenance M&IR's.
5. Have available as objective evidence all Assembly and Checkout Procedures.
6. Inventory Sheets listing each End Item being delivered by Part Number, Nomenclature and Serial Number with location noted. Also all Portable Equipment and Mobile Maintenance Ground Equipment will be listed.
7. Configuration Report listing all End Items being delivered and showing all equipment compatible to listings in Section II of 60-60.
8. Record of all equipment requiring Calibration and Certification dates.
9. Have available all As-Built Drawings and Procedures.

**THE BOEING COMPANY
AEROSPACE DIVISION
GREAT FALLS, MONTANA**

April 2, 1962

2-7014-324

**To: SATAP (BSS-18)-E
Malmstrom AFB
Montana**

Through: CSD #18 (RWH018A)

**Subject: MINUTEMAN Program, Contract AF 04(647)-714
Twenty-four Hour Notice of Demonstration**

**Reference: BSD Exhibit 61-32, dated February 23, 1962,
Subject: "Proposed Exhibit Requirements for
Demonstration and Technical Approval, Inventory
Acceptance and Turnover of WS 133A Operational
Sites (Hardened and Dispersed)"**

1. In accordance with the above referenced Document, this is to advise that the Launch Facility End-to-End Test, as outlined in paragraph 2.6.3.1, will be demonstrated at Site A-4 at 0800 hours on April 4, 1962.

**THE BOEING COMPANY
Malmstrom Air Force Base**

**C. L. Popejoy
Base Manager**

This twenty-four hour notice of demonstration is a requirement per 61-32.

ATTACHMENT 7